

Bulletin

of the Rutherford Appleton Laboratory 27 July 1987 No.10

FOR EXCELLENCE

RAL Awards 1987

James Long and Gary Thomas are winners of the first RAL Award for outstanding work and achievement during the year.

The 1987 Award was presented by Director, Paul Williams to James and Gary at the Staff Talk on Wednesday 8 July, for their work on the Muon Spin Resonance facility for ISIS.

Starting in the Autumn of 1985 these two young men, both in the early stages of their careers, undertook the design, procurement and commissioning of the complete beamline, culminating in the successful physics run on 23 March 1987.

This EEC funded project had strict budget limitations, requiring ingenuity to produce economic designs and at the same time incorporating new (to them) concepts and technologies.

James, a product of the RAL sponsored graduate engineer training scheme, graduated from Leeds University in 1985 and this work on the Muon Spin Resonance facility qualifies as his post graduate training.

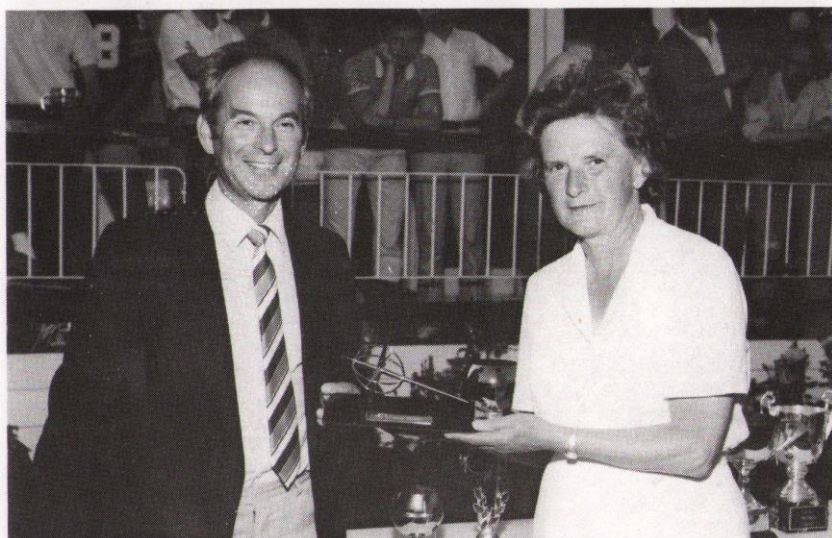
(Continued over)



James (left) and Garry (right) with their Award Certificates and a happy Director.

87RC 3720

Trophy for Mary Shepherd



Mary receives The Kingman Trophy from Geoff Manning, at the Sportsday Prizegiving.

87RC 3835

The 1987 Kingman Trophy has been awarded to Mary Shepherd for her prowess at Bowls. The Trophy is presented annually for the best sporting achievement over a 12 month period by an SERC member.

Mary, as a regular Berkshire County player, has represented her County in many major events throughout the year. She also won the SERC pairs competition, the Wantage 2-woods Competition and was finalist in both the Berkshire County Triples and Cherwell 4-woods Competition.

Only the day previous to Sportsday, she came within striking distance of qualifying for the finals of the Bournemouth Open Tournament.

Our warmest congratulations, Mary.

RAL Awards (cont'd from p1)

Entrusted with the task of modifying the extracted proton beamline and inserting an intermediate target station, James produced a final design which is a neat assembly with scope for further development. Design of the target station embraced many technologies new to him and the extent and level of his work has been far higher than is normally expected of a first year graduate.

Gary served a toolroom apprenticeship in industry before coming to RAL for industrial training during his HND sandwich course. RAL sponsored him for his final year at college on a 'top-up' basis and he was subsequently employed as a PTO technician engineer.

He is an extrovert and tenacious character whose engineering knowledge, drive and determination was a major factor in drawing together the diverse parts making up the beamline. Taking equipment from CERN, DESY and Nimrod and with little or no technical information or drawings, he updated it to ISIS standards and integrated it with new purpose built equipment into one unit. His work on design, procurement and installation shows a maturity beyond his years.

We congratulate them both on their magnificent achievement.

Earlier in the year, the RAL Award "for a young person needing financial help for some charitable or other worthy effort" was awarded to Graham Topliss. Graham plans to walk 190 miles across England from St Bee's Head to Robin Hood's Bay, sponsored in aid of Childline. We hope to hear something of his adventures in a future edition of the Bulletin.

In Memoriam

Harold O Normington

Mrs Mary Normington wishes to thank most sincerely all friends and colleagues at RAL and CERN for their letters of sympathy, help and their contributions to the British Heart Foundation.

"£476 has been sent to the Foundation in his memory and I do thank you all", she writes. "It has been a great comfort to know just how well loved and respected Harold was by all who knew and worked with him."

Annual Report 1986

Copies of the Report should be available to Laboratory staff in mid-August. They will be available in the Library and from DAOs. Please contact these sources on or about Wed. 12 August.

London to Brighton by Bike

In aid of the British Heart Foundation

Well, it's finally happened! Sunday 21st June dawned cool and misty as we set off at 6.20am to get to Clapham Common. Even at that unearthly hour, there were thousands of sleepy cyclists gathering for the 7am start. During the morning, in staggered send offs, the London Fire Brigade saw off over 30,000 cyclists. We were finally on the road at 7.20, four abreast, trying to avoid any accidents in what could only be called a real carnival atmosphere.

It turned out to be a fabulous day, the sun shone on the righteous and the bicycle reigned supreme. (There were one or two incidents, I believe, that the Press got hold of - like a cyclist forcing a car off the road, but then again, anyone who has had to cycle through Oxford at rush hour would smile sweetly and say, 'Well, it makes a change!') However, for most people it was a marvellous day out.

For the sceptical amongst you, sorry to disappoint you, but we tootled into Brighton at 3.00pm, after a gentle leisurely 56 mile cycle, (yes, UP the hills as well!) (Well, I did have to get off half way up Ditchling Beacon, but then, so did everybody else!) and we were met by cheering crowds offering us bananas. (You may well ask!).

I know everyone groaned when the sponsor form came round, but thanks to everybody's amazing generosity, we managed to raise £194.11 for the British Heart Foundation. The organisers estimate that they will have raised somewhere in the region of £650,000 this year, and the money will go into work to 'recycle' people after they have had a heart attack, to give them back their confidence, and ability to exercise and take pleasure in life.

Many thanks to everyone for helping make this such a successful day.

Best wishes

Jane Sidebottom
Duncan Gibson

PS. Anyone got the other £5.89p.

Bulletin Announcement

The next issue of the Bulletin will not appear until September. I'm having a holiday too.

Ed.

Christian Fellowship

The Fellowship meets in the R2 Conference Room (4th floor) at 12.30 p.m every Thursday, unless otherwise stated.

Visitors are very welcome.

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|----|--------|--------------------------------|
| 5 | August | Coffee Lounge, R1 |
| 10 | " | Bible Study, E Greenslade |
| 13 | " | Theme on Other Faiths, T Lucas |
| 21 | " | Music and Praise (Friday) |
| 27 | " | Open Fellowship |

For more details ring Margaret Summers, Extension 5617.

Film Badge Notice

It is period 8. Colour strip BROWN. Please be sure you are wearing the correct dosimeters, and return all old ones to Jenny Coates, R12.

NEXT FILM ISSUE

Monday 10 August.

100 Club

The winners of the June draw are:

Mrs Pam Peisley	£125
Mr Brian Prior	£ 25

There are now 15 vacancies in the Club list. For details please contact Tudor Morgan, Ext. 6747.

Missing

Would whoever removed the set of boules from R58, please return them toute suite.

Farewells

Arthur Bell

Few people at the gathering marking Arthur Bell's retirement were prepared for the first words and actions of presenter Peter Clee.

Peter began by describing Arthur Bell as not very productive and difficult to handle. He was of course, referring to the Rose of that name. At this point he produced one of these blooms and presented it to Arthur, giving him a quick peck on the bald pate.

Apparently Arthur had suffered this indignity for years from another colleague and Peter felt it appropriate as a parting gesture.

The rest of the proceedings followed in a more orderly fashion with reminiscences of Arthur's working life from his apprenticeship with Cellanese, through war service with the Tank Corps to his joining the Laboratory in 1968. Here he has worked on a variety of projects, throughout the site and at CERN.

Arthur's expertise and dedication to the job was well recognised and it would be difficult to fill the gap he left, said Peter. He also noted Arthur's ability in the social arena including his past footballing talent well remembered by the opposition in the lunchtime six-a-side tournaments - and his present expertise in the lunchtime Darts League.

The now traditional 'This is your life' card was presented accompanied by watches for Arthur and his wife.

Arthur remarked that one good thing about retiring was that his hair might grow now that less attention was being paid to his head. Life had been good at the Laboratory, he said. He had enjoyed himself and would miss the companionship. The garden would claim much of his time in the future, but he would continue to allow his wife to do the decorating.

On behalf of himself and his wife he thanked everyone for the gifts and hoped a 'few people' would join him for a lunchtime drink.

Bill Trowbridge

Bill Trowbridge began his scientific career in 1956 at Harwell in the most junior science grade possible. On Tuesday 23 June 1987 he left RAL, a world authority on the computation of electromagnetic fields.

Bill's interest in computational physics developed while he was studying for his BSc on day release and became his life's work. Required to design magnets for accelerators, he forged close links with computational analysts in other fields, including civil engineering, and developed the use of finite element techniques for the solution of field problems. His expertise brought him into wide demand as an international lecturer and he travelled extensively.

As Director Paul Williams remarked at Bill's farewell ceremony, all this



Arthur with card, and Peter with Arthur Bell (in his lapel). 87 RC 3542.



Bill with a last puzzle from RAL.

87 RC 3554.

was achieved in his second career, his first in the Merchant Navy having led to a First Mate's certificate. In his third incarnation as Chairman of his own Company 'Vector Fields' who knows what he may achieve.

Thanking Bill for all he had done for RAL, Paul presented gifts from all his friends and colleagues and wished him every success with his new venture.

In reply Bill reminisced on his 30 years at the Laboratory; of the colleagues with whom he had worked and of the happy times he had spent with them. He thanked everyone for the gifts. The Escher print would look very well in his new office, he said. As for the future - he looked forward to a continuing collaboration with RAL.

Stewart Smith

Arguably, the biggest job Stewart Smith tackled in his days at RAL was the management of the Nimrod Power Supplies.

These, comprising two large alternators, flywheels, motor drives, rectifiers etc, occupied all the buildings now known at R3 and R4. Coming to RAL in 1959 from the Electricity Generating industry these posed no problem to Stewart and when a major breakdown occurred in both alternators his ideas were built into the more reliable supply system which lasted until the Nimrod close-down in 1978.

All this and much more Stewart was reminded of by Trevor Hyman at a ceremony attended by his many friends and colleagues to mark his retirement on 30 June.



A delighted Stewart shows off his card

After the sad job of dismantling and disposing of Nimrod Stewart became responsible with Trevor for SNS electrical workshops, and continued to be involved in the new electrical installations of ISIS, providing advice from his fund of expertise.

"His calm, but firm personality allied to a very sound down to earth approach to problems whether administrative or technical add up to a very valuable member of our community. He will be hard to replace," said Trevor.

ARC 3724.
"Thanks on behalf of SERC and RAL for many years of hard, devoted service and we wish you many profitable years of retirement".

Thanking everyone for the gifts of watch, table lamp and router table, Stewart said that he would always remember his Nimrod days with exceptional pleasure. Nimrod was a real engineering accelerator and it was a sad day for him when it went. But times change and he was sure ISIS had a brilliant future. "And with it, I wish you all well," he ended.

SPORTSDAY 1987

The sun shone brightly again for Sportsday 1987 and 120 of the righteous, participants and spectators, left the Lab to do battle at Birmingham.

Unbelievably some of our colleagues from other SERC establishments were deemed even more worthy and it wasn't a good day for RAL, who notched up only three team wins (perhaps the glorious weather had made us too magnanimous).

True to form, Lorna Claringbold and Tim Pett won the tennis mixed doubles, for the eighth year running; the Croquet team won their event, the first time ever for RAL, and our footballers came up trumps again, Atlas beating Daresbury.

Mind you, we did have the privilege of Mary Shepherd winning the Sir John Kingman Trophy for 1987, so that more than made up for our disappointment in other events.

At the end of the day, RAL staff were very pleasantly surprised to find an old friend in charge of prize-giving. Geoff Manning, taking a break from his new enterprise, had kindly agreed to do the honours, for which we thank him.



In training 87MB 3818.



Getting into the swing 87MC 3822.



The Atlas team receive the Cup from Geoff Manning

87RC 3845

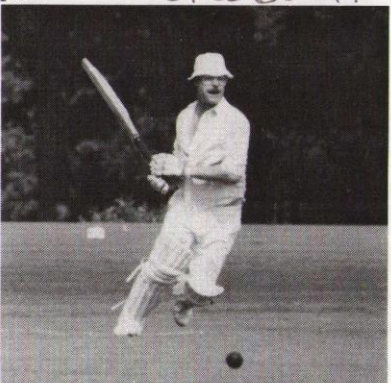


Lorna, Geoff and Tim in a familiar pose 87RC 3844.



At last it's theirs. Tony (left) and Roy share the pleasure with Geoff

87RC 3842.



Gie it wellie 87MC 3814.

Croquet

This year there were 4 teams entered for the Croquet competition; the previous holders from Daresbury, RAL's Tony Gibson and Roy Platon and two teams from ROE. As the four players from ROE were complete beginners, it was decided to play a knockout with each ROE team playing with a more experienced pair.

The courts were prepared with more grass than last year, so we did not have the same problem with the slope, but they were still fairly fast due to the warm dry weather.

The Rutherford team won their first match easily (26-14) without taking too much advantage of their opponents inexperience. Similarly the Daresbury team showed slightly less mercy in winning 20-4.

The afternoon was a completely different game, with much tension and a more competitive approach. All the players showed lapses of concentration in the heat of the day and the battle and made many mistakes. After one hour's play both Daresbury and RAL had only scored one hoop each, and after two hour's only two hoops each.



Sportsday's such a strain

87RC 3854.
5

Therefore the title was decided in the last half hour's play. Roy Platon made the decisive breakthrough by scoring three hoops and positioning Tony Gibson for his next hoop with only five minutes to go. When time was called Daresbury had one last chance with five hoops needed, and the balls reasonably positioned for a break. After making one hoop they were unable to maintain the momentum, so that RAL were the eventual victors by 7 hoops to 4, for the first time in 4 attempts.

R T Platon

Angling

Another Sports Day competition had come and gone. As usual the tension mounted as the anglers took their positions on the lake. This was going to be the year we won back the Trophy from Daresbury.

Conditions were not good - not much wind, very hot and bright sunshine. Out went the keepnets in expectation, or, in most cases, a method of keeping beer cans cool.

The match started, but disaster struck at once. Mark Jeffries was taken by surprise by a large carp deciding to have an early bite of lunch and departing up the lake with bait but not his hook. P.C lost his sunglasses in the water.

Otherwise not much was happening. Daresbury seemed to be catching some small fish, but most of the action was coming from the pulling of beer can rings and spectators asking when the coaches were going home. (Hope you got home in time, Heather). The temperature went up, shirts came off, then excitement. Tony Ferrari caught a perch. We don't know who was more surprised, Tony or the fish. Dennis Day came over to see what a fish looked like, just in case he found one on the end of his line. Allan (Safety) Hodges was playing it safe up the other end of the lake, not catching anything in case it bit him and P.C. managed to get his glasses back.

Five o'clock came and the match was over. On weighing the catches our worst fears were confirmed, Daresbury had done us again.

Still, never mind. There's always next year.

P Craske.

Tennis

Unlike the start of Wimbledon the SERC sports day competition enjoyed a superb summer day at Birmingham Civil Service Sports ground. Unfortunately, the standard of tennis

was not quite up to the centre court but we all tried hard and had a very enjoyable day.

Entries in the mixed competition were down on last year to only 5 pairs, with three from RAL and one each from Central Office and Atlas. A round robin competition, playing 12 games against every other pair, took most of the day to complete but meant everyone enjoyed quite a lot of tennis. Like the last two years, the 'arch enemies of the courts' went into the final set of the competition equal on games. T Pett/L Claringbold gained the upper hand over T Short/J Charles and took the game 8-4 to win the competition for the eighth consecutive year.

Sadly this was the last year that Jan and Tony will be partnering each other in the event, as Tony has recently moved to Central Office.

The four pairs in the mens competition consisted of two pairs each from Daresbury and RAL. As there were fewer pairs than in the mixed competition, each pair played two sets against every other pair. It soon became apparent that last years winners (G Gopal/K King) from RAL had some formidable opposition from J Simpson/P Tickle (DL). This match resulted in some good tennis with long rallies with the Daresbury pair coming out on top.

L Claringbold

Football

Ten teams contested this year's 6-a-side competition. Playing in two leagues of five teams, each team played four games, the top two in each league qualifying for the final stages of the competition. League I qualifiers Daresbury 'B' and Appleton 'B' both were unbeaten, and in League II Atlas and RAL 'B' qualified, Atlas without losing a game.

In a close fought semi-final Daresbury 'B' scraped home against RAL 'B'. Atlas took advantage of a tired Appleton side in the second half and won their semi-final.

So to the final.

Atlas made a tremendous start when Simon Lees hit a searching left footed shot into the net, and Andy Leech made it 2-0 when he bravely chested the ball into goal after a goalmouth melee. Daresbury pulled one back after the interval but substitute Ken Chapman made it 3-1 to Atlas after a ball driven into the area by Alan Roscoe was brought down by Ken and powerfully driven home, on the turn.

As far as Daresbury were concerned, that was the end. Atlas played out the remaining time and the cup was back at RAL for another year.

Our thanks to all players and supporters for making it such an

enjoyable day, and special thanks to referees Peter Hemmings and John Wells for their time and energy.

M Dew.

Cricket

RAL entered two teams in the cricket competition; the 'A' side once again hopeful of victory and fielding a similar team to last year, and the 'B' side made up of new faces, their strong point being enthusiasm, (having practiced on many a night after work).

Both sides started well, winning their respective groups. The 'A' side convincingly defeated Central Office 'A' (complete with Mr Hassan) so all seemed set for an RAL victory.

Alas it was not to be. The 'B' side were beaten by the eventual winners - who else but Central Office 'A' - probably smarting from their earlier defeat by RAL 'A'.

The 'A' side on a high after their win against Central Office failed in the semi-final against Daresbury. After winning the toss and bowling first they conceded 71 runs off the allotted five 8 ball overs. Much toil on a really hot day brought them to within 12 runs of the Daresbury total - just out of reach.

So we have to wait for another year before we wrestle the cup from Central Office. Anyway, we can live with the thought of what might have been.

A Napper.

Rounders

Alas. This year it was not to be.

Due to the failure of Daresbury and Central Office to provide opposition, the rounders competition lost much of its sparkle.

However, because the remainder of the RGO team (stricken by last minute withdrawals and holidays) made the trip regardless, a most enjoyable day was had by combining the RAL and RGO players to make two very well matched teams who engaged in friendly fixtures throughout the day.

A 'Girls v Boys' match and a savage encounter against the RAL footballers (a draw by the way) completed the day. We look forward to meeting RGO again (with a full team, if poss.), next year.

B Young

Bulletin

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